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**Rocky Mountain
Remediation Services, L.L.C.**
... protecting the environment

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April 26, 1996

96-RF-02467
96-RM-ER-055-DOE

Jessie M. Roberson
ES&H Program Assessment
DOE/BFFO

Attn: Dave George

TRANSMITTAL OF QUARTERLY STATUS REPORT FOR WORK PACKAGE NUMBER 951849,
DECONTAMINATION FACILITIES ~ AMP-052-96

Rocky Mountain Remediation Services (RMRS) is pleased to deliver the attached copy of the Quarterly Status Report (work package 951849, Decontamination Facilities) in fulfillment of the scheduled milestone due April 30, 1996.

If there is any additional information you would like to have incorporated into the existing format for the next quarter's facility report, please contact Annette Schmiechen of my staff at extension 3191 or digital page 4484.

Alan M. Kahn

Alan M. Parker
Vice President
Environmental Restoration Projects

AKS:ilm

Orig. and 1 cc - J. M. Roberson

Attachment:
As Stated

cc:
T. G. Hedahl - Kaiser-Hill
K. L. Wiemelt - Kaiser-Hill

ADMIN RECORD
A-SW-002593



Quarterly Report for the Decontamination Facilities 903A Pad and Protected Area

January, 1996
through
March, 1996



April 30, 1996

INTRODUCTION

The Decontamination Facilities support Environmental Restoration (ER) activities performing RCRA [Resource Conservation and Recovery Act] Facility Investigation/Remedial Investigation and remedial action field work for the Comprehensive Environmental Response, Compensation and Liability Act sites at the Rocky Flats Environmental Technology Site in accordance with the Interagency Agreement (IAG) and decontamination for accelerated actions. There are two decontamination facilities at the Rocky Flats Site: the Main Decontamination Facility (MDF), also known as the 903A Pad – RCRA Unit 18.01, located at the east end of the Facility Operations Yard; and the Protected Area Decontamination Facility (PADF), located in the northeast corner of the Protected Area. The PADF is also referred to as Building 966. Additionally, a mobile decontamination unit is used for field decontamination activities. Proper use of the facility prevents cross contamination between sample retrieval sites and provides a mechanism to clean equipment in order to meet data quality objectives.

Four full-time personnel from Resource Technology Group (RTG) currently operate and maintain the Decontamination Facilities for Rocky Mountain Remediation Services (RMRS). In addition to operating and maintaining the two facilities, this work package is also responsible for movement of environmental drums and pallets from the Buffer Zone and within the Field Operations Yard, moving equipment and unloading trucks for other subcontractors, performing decontamination of equipment, removing snow in the Facility Operations Yard and providing Health and Safety support to environmental projects.

INFORMATION

Twenty-two decontamination activities and 26 purge events occurred at the MDF during the first quarter of fiscal year 1996. Two decontamination events occurred at the PADF.

The PCB Project was supported throughout the quarter by the Decontamination and Sampling personnel. The mobile decontamination unit was used to support this effort.

Support was provided to the IAG Tank Cleaning Project. Clean water and fuel for decontamination were provided on demand.

The dry and liquid chemicals located at Operable Unit 2 were moved to a storage area in the Field Operation Yard. All of the personnel involved in the movement participated in a pre-evolution meeting prior to performing the work. Additionally, the personnel had three-day First Responder Operations certification.

TRAINING

Personnel from Liquid Waste Operations in support of the IAG Tank Cleaning project were trained on the safe use of the steam cleaner. A training program was developed specifically for the project in order to meet the criteria of the operation.

REPORTS/CORRESPONDENCE

Procedures are being revised due to the upgrades to the Main Decontamination Facility. Among them are:

- FO.4, Heavy Equipment Decontamination
- FO.7, Handling of Decontamination Wash Water
- FO.12, Decontamination Facility Operations
- FO.30, Equipment Operating Procedure

Additionally, the Qualification Standard Package (QSP) used to train personnel on the proper use of the equipment at the Decontamination Facility is also being revised.

A letter was written to the Landfill and Facility Operations concerning the sediment/soil drums generated at the MDF. The letter requests permission to dispose the sediments at the landfill if they meet their acceptance criteria. All of the drums have been characterized as non-hazardous and are presently being assessed by Radiological Engineering.

SAMPLES

No sampling occurred during the second quarter of fiscal year 1996 due to budget cuts. A letter was written (JRC-014-95) documenting several years of available data from the decontamination pads, and from process knowledge. Based on this analysis, Building 891 Treatment Facility will accept decontamination wash waters without further sampling and analysis. Appropriate sampling will be performed if unusual or new decontamination circumstances are identified, or if excessive contaminants are expected.

CONSTRUCTION/MAINTENANCE

The liner that provides secondary containment to the concrete decon pad and sump at the MDF was damaged during the construction of the facility. The MDF was placed out of service and Colorado Lining was brought on the site to repair the rip in the liner. The liner was inspected prior to putting the MDF back in service.

ENVIRONMENTAL COMPLIANCE

No environmental deficiencies were incurred during the quarter.

ACCOMPLISHMENTS

Twelve roll-offs and one backhoe from the Thermal Desorption Project were decontaminated at the MDF. Thirteen loads of clean water were transported to the site for dust suppression and operational use.

Two cargo restraint transports (CRTs) shipped from Oak Ridge, Tennessee were successfully decontaminated to below releasable limits. After the CRTs were cleaned and re-surveyed, they were transported by the Trucking Department to Building 991. This project was a joint effort between Rocky Mountain Remediation Services and Safe Sites of Colorado. Eleven additional CRTs are expected to be decontaminated next quarter. This activity is in support of a performance measure for Safe Sites.

HEALTH AND SAFETY

In addition to supporting numerous projects simultaneously and attending to routine Health and Safety responsibilities, the Health and Safety Specialists (HSSs) for the decontamination operation completed numerous surveys, and wrote several Preliminary Hazard Analysis, (PHA) and Activity Hazard Analysis (AHA). Other projects supported by the HSSs:

- Conducted daily safety briefings
- Conducted weekly safety meetings
- Maintained training files for all decontamination technicians
- Established Survivair full face Approved Product Record (APR) fit test procedure and obtained an authorization from Industrial Hygiene
- Updated Material Safety Data Sheets for the MDF, the PADF, T891 C,D, and P
- Upgraded fall protection equipment
- Posted "Non-Flammable Gas" signs in the T891D Industrial Hygiene equipment room
- Wrote the Health and Safety Plan for the Thermal Desorption Project
- Provided Health and Safety support to the Thermal Desorption Project
- Prepared the confined Space Entry Permit and air monitoring strategy for entry into the vault at the Operable Unit 7 Seep Collection System
- Provided air monitoring and health and safety support during confined space entries at the Operable Unit 7 Seep Collection System
- Conducted trailer inspections in the Field Operations Yard
- Labeled all gas and diesel cans and cleaned flammable liquid storage cabinets
- Labeled chemical storage conexas (NFPA)
- Conducted monthly inspections of the following:
 - extinguisher
 - spill kits
 - respirators
 - self-contained breathing apparatus
 - eyewash stations and safety shower (weekly)

ANTICIPATED OPERATIONS FOR NEXT QUARTER

The Decontamination Facilities will support the Trench T-3/T-4 project next quarter. The Decontamination Operation was requested to provide field decontamination.

Decontamination support will be provided to the IHSS 129 Interim Action project. The mobile decontamination unit will be used for this project.

The upgrades to the Main Decontamination Facility should be complete by next quarter. Existing Standard Operating Procedures and an Integrated Work Control Package will be used to run the facility until the new procedures have been written and approved.

Decontamination support will be provided to the Well Abandonment and Replacement Program (WARP) at the MDF and the PADF. Additionally, drums that are being filled by the WARP project will be retrieved from the field and delivered to the Field Operations Yard.

SUMMARY/CONCLUSION

Due to a decline in environmental accelerated actions, no decontamination wash water was treated at Building 891 or 374. It is anticipated to have approximately 15,000 gallons of decon water treated next quarter.

There were no environmental deficiencies, no accidents, and no occurrences encountered by the Decontamination Facility Operation during the January through March, 1996 reporting period.